

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference W5424TS0777F	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, Item 5 below.	
International application No. PCT/EP 03/ 03173	International filing date (day/month/year) 24/03/2003	(Earliest Priority Date (day/month/year)) 28/03/2002
Applicant: KRATON POLYMERS RESEARCH B.V.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ it is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 35.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☒ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/03173

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08L95/00 C08L53/02 C08F297/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08L C08F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 097 969 A (DYNASOL ELASTOMEROS S A ; REPSOL PETROLEO SA (ES); ESHA HOLDING B V) 9 May 2001 (2001-05-09) <i>Road paving</i> column 2, line 14 - column 6, line 1; claims	1-8,10, 11
X	US 4 874 821 A (AGOSTINIS ENRICO ET AL) 17 October 1989 (1989-10-17) <i>S-B-S-b</i> cited in the application	9
Y	column 1, line 44 - column 2, line 35 column 2, line 57-61; claim 1	1-8,10, 11
A	WO 02 00787 A (MARTIN CHANTAL MATHILDE ; DELME ROGER ROBERT (BE); LECHAT JACQUES B) 3 January 2002 (2002-01-03) page 2, line 7 - page 4, line 27; claims 18-23	9

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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *A* document member of the same patent family

Date of the actual completion of the international search

18 July 2003

Date of mailing of the international search report

29/07/2003

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/03173

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 940 440 A (JAPAN ELASTOMER CO LTD) 8 September 1999 (1999-09-08) page 4, line 22-48; claims ---	1-11
A	WO 00 56796 A (BRIDGESTONE FIRESTONE INC) 28 September 2000 (2000-09-28) claims ---	9
A	WO 02 00806 A (DELME ROGER R ; LEWTAS KENNETH (BE); GEORJON OLIVER J (BE); LECHAT) 3 January 2002 (2002-01-03) page 6, line 20 -page 9, line 28 -----	9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/03173

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1097969	A	09-05-2001	WO 0049091 A1	24-08-2000
			BR 9909578 A	19-12-2000
			EP 1097969 A1	09-05-2001
			JP 2002537435 T	05-11-2002
US 4874821	A	17-10-1989	IT 1222429 B	05-09-1990
			BE 1001140 A3	01-08-1989
			BR 8803422 A	08-02-1989
			CA 1295760 C	11-02-1992
			DE 3737439 A1	09-02-1989
			DK 581587 A	01-02-1989
			FI 874912 A ,B,	01-02-1989
			FR 2618788 A1	03-02-1989
			GB 2207679 A ,B	08-02-1989
			NL 8702674 A	16-02-1989
			NO 874613 A ,B,	01-02-1989
			SE 466348 B	03-02-1992
			SE 8704292 A	01-02-1989
WO 0200787	A	03-01-2002	US 6576686 B1	10-06-2003
			BR 0112354 A	06-05-2003
			EP 1299475 A1	09-04-2003
			WO 0200787 A1	03-01-2002
			US 2002132922 A1	19-09-2002
			US 2003065053 A1	03-04-2003
EP 0940440	A	08-09-1999	CN 1228454 A	15-09-1999
			EP 0940440 A1	08-09-1999
			JP 11315187 A	16-11-1999
			TW 446733 B	21-07-2001
			US 6150439 A	21-11-2000
WO 0056796	A	28-09-2000	WO 0056796 A1	28-09-2000
WO 0200806	A	03-01-2002	AU 7159701 A	08-01-2002
			EP 1299496 A2	09-04-2003
			WO 0200806 A2	03-01-2002